

<u>NEWS 1</u>	Web Page URLs for STN Seminar Schedule - N. America	
<u>NEWS 2</u>	"Ask CAS" for self-help around the clock	
<u>NEWS 3</u>	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
<u>NEWS 4</u>	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAplus
<u>NEWS 5</u>	FEB 05	German (DE) application and patent publication number format changes
<u>NEWS 6</u>	MAR 03	MEDLINE and LMEDLINE reloaded
<u>NEWS 7</u>	MAR 03	MEDLINE file segment of TOXCENTER reloaded
<u>NEWS 8</u>	MAR 03	FRANCEPAT now available on STN
<u>NEWS 9</u>	MAR 29	Pharmaceutical Substances (PS) now available on STN
<u>NEWS 10</u>	MAR 29	WPIFV now available on STN
<u>NEWS 11</u>	MAR 29	No connect hour charges in WPIFV until May 1, 2004
<u>NEWS 12</u>	MAR 29	New monthly current-awareness alert (SDI) frequency in RAPRA
<u>NEWS EXPRESS</u>	MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004	
<u>NEWS HOURS</u>	STN Operating Hours Plus Help Desk Availability	
<u>NEWS INTER</u>	General Internet Information	
<u>NEWS LOGIN</u>	Welcome Banner and News Items	
<u>NEWS PHONE</u>	Direct Dial and Telecommunication Network Access to STN	
<u>NEWS WWW</u>	CAS World Wide Web Site (general information)	

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004  
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STRUCTURE FILE UPDATES: 13 APR 2004 HIGHEST RN 675103-21-6  
DICTIONARY FILE UPDATES: 13 APR 2004 HIGHEST RN 675103-21-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

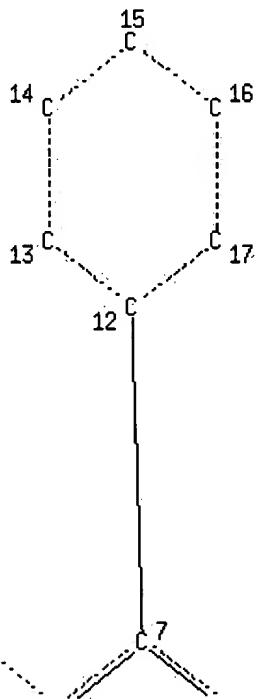
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

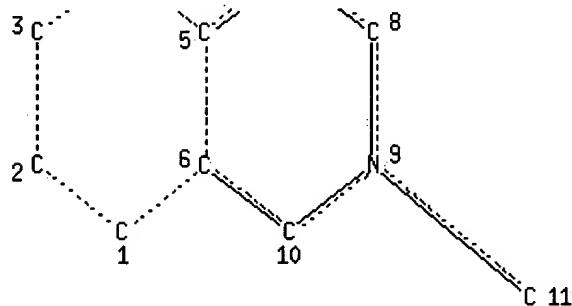
Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>  
 L1 STRUCTURE UPLOADED

=> d 11  
 L1 HAS NO ANSWERS  
 L1 STR



Page 1-A



Page 2-A

NODE ATTRIBUTES:

NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5

```

NSPEC  IS R      AT   6
NSPEC  IS R      AT   7
NSPEC  IS R      AT   8
NSPEC  IS R      AT   9
NSPEC  IS R      AT  10
NSPEC  IS RC     AT  11
NSPEC  IS R      AT  12
NSPEC  IS R      AT  13
NSPEC  IS R      AT  14
NSPEC  IS R      AT  15
NSPEC  IS R      AT  16
NSPEC  IS R      AT  17
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT  11
DEFAULT ECLEVEL IS LIMITED

```

GRAPH ATTRIBUTES:

```

RSPEC 12
NUMBER OF NODES IS  17

```

STEREO ATTRIBUTES: NONE

```

=> s 11
SAMPLE SEARCH INITIATED 20:07:30 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  3117 TO ITERATE

```

```

32.1% PROCESSED    1000 ITERATIONS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

```

34 ANSWERS

```

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:      58992 TO    65688
PROJECTED ANSWERS:         1502 TO     2736

```

L2 34 SEA SSS SAM L1

```

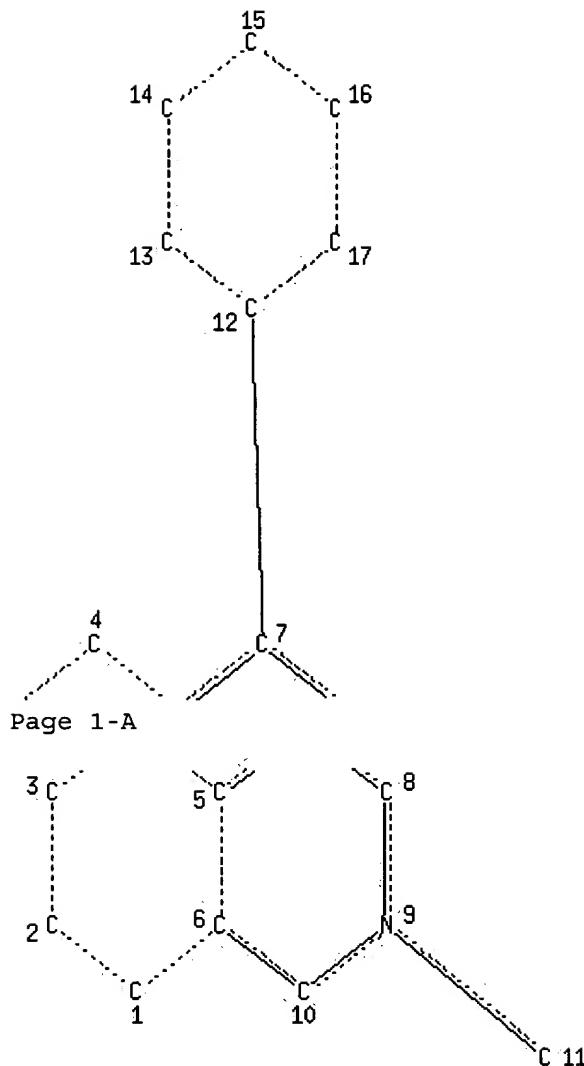
=>
L3          STRUCTURE UPLOADED

```

```

=> d 13
L3 HAS NO ANSWERS
L3          STR

```



Page 2-A

## NODE ATTRIBUTES:

NODE ATTRIBUTES			
NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS R	AT	7
NSPEC	IS R	AT	8
NSPEC	IS R	AT	9
NSPEC	IS R	AT	10
NSPEC	IS RC	AT	11
NSPEC	IS R	AT	12
NSPEC	IS R	AT	13
NSPEC	IS R	AT	14
NSPEC	IS R	AT	15
NSPEC	IS R	AT	16

```
NSPEC IS R AT 17
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT 11
DEFAULT ECLEVEL IS LIMITED
```

## GRAPH ATTRIBUTES:

RSPEC I  
NUMBER OF NODES IS 17

STEREO ATTRIBUTES: NONE

=> s 13  
SAMPLE SEARCH INITIATED 20:08:34 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 3117 TO ITERATE

32.1% PROCESSED 1000 ITERATIONS 30 ANSWERS  
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 58992 TO 65688  
PROJECTED ANSWERS: 1290 TO 2450

L4 30 SEA SSS SAM L3

=> s 13 full  
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y  
FULL SEARCH INITIATED 20:08:39 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 62007 TO ITERATE

100.0% PROCESSED 62007 ITERATIONS 1786 ANSWERS  
SEARCH TIME: 00.00.01

L5 1786 SEA SSS FUL L3

=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004  
L1 STRUCTURE uploaded  
L2 34 S L1  
L3 STRUCTURE uploaded  
L4 30 S L3  
L5 1786 S L3 FULL

=> s 12 full  
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS  
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y  
FULL SEARCH INITIATED 20:08:49 FILE 'REGISTRY'  
FULL SCREEN SEARCH COMPLETED - 62007 TO ITERATE

100.0% PROCESSED 62007 ITERATIONS 2027 ANSWERS  
SEARCH TIME: 00.00.01

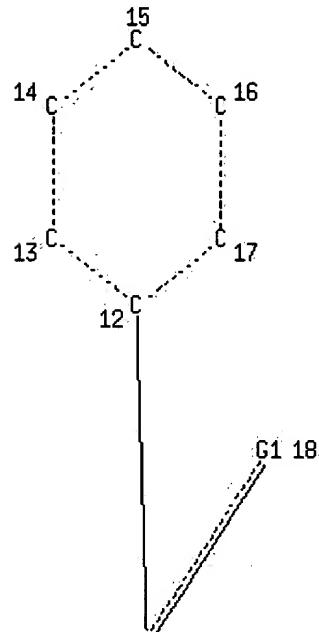
L6 2027 SEA SSS FUL L1

=> s 16 not 15  
L7 241 L6 NOT L5

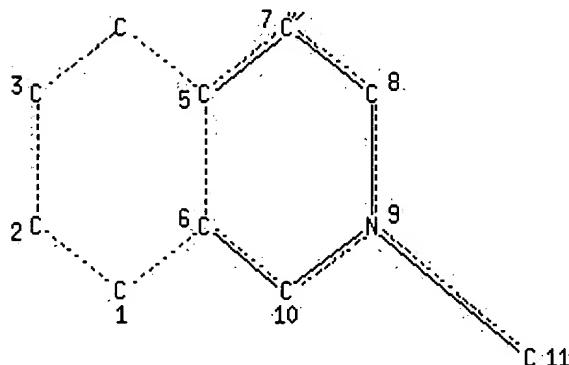
=>  
L8 STRUCTURE uploaded

=> 18  
 L8 IS NOT A RECOGNIZED COMMAND  
 The previous command name entered was not recognized by the system.  
 For a list of commands available to you in the current file, enter  
"HELP COMMANDS" at an arrow prompt (=>).

=> d 18  
 L8 HAS NO ANSWERS  
 L8 STR  
 H 19 0 20 S 21 X 22  
 Page 1-A



Page 1-B



Page 2-B

VAR G1=19/20/21/22

NODE ATTRIBUTES:

NSPEC	IS R	AT	1
NSPEC	IS R	AT	2
NSPEC	IS R	AT	3
NSPEC	IS R	AT	4
NSPEC	IS R	AT	5
NSPEC	IS R	AT	6
NSPEC	IS R	AT	7
NSPEC	IS R	AT	8
NSPEC	IS R	AT	9
NSPEC	IS R	AT	10

```

NSPEC  IS RC    AT  11
NSPEC  IS R     AT  12
NSPEC  IS R     AT  13
NSPEC  IS R     AT  14
NSPEC  IS R     AT  15
NSPEC  IS R     AT  16
NSPEC  IS R     AT  17
NSPEC  IS C     AT  18
DEFAULT MLEVEL IS ATOM
MLEVEL IS CLASS AT  11 19 20 21 22
DEFAULT ECLEVEL IS LIMITED

```

GRAPH ATTRIBUTES:

RSPEC 12

NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE

```

=> s 18
SAMPLE SEARCH INITIATED 20:10:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 3117 TO ITERATE

```

```

32.1% PROCESSED    1000 ITERATIONS          33 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

```

```

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                      BATCH   **COMPLETE**
PROJECTED ITERATIONS:      58992 TO    65688
PROJECTED ANSWERS:         1449 TO     2665

```

L9 33 SEA SSS SAM L8

```

=> s 18 full
THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS
DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y
FULL SEARCH INITIATED 20:10:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 62007 TO ITERATE

```

```

100.0% PROCESSED    62007 ITERATIONS          1889 ANSWERS
SEARCH TIME: 00.00.01

```

L10 1889 SEA SSS FUL L8

=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

```

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004
L1           STRUCTURE uploaded
L2           34 S L1
L3           STRUCTURE uploaded
L4           -30 S L3
L5           1786 S L3 FULL
L6           2027 S L2 FULL
L7           241 S L6 NOT L5
L8           STRUCTURE uploaded
L9           33 S L8
L10          1889 S L8 FULL

```

```
=> s l10 not 15
L11      211 L10 NOT L5
```

```
=> file hcaplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST
```

SINCE FILE	TOTAL
ENTRY	SESSION
468.36	468.57

FILE 'HCAPLUS' ENTERED AT 20:11:06 ON 14 APR 2004  
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FILE COVERS 1907 - 14 Apr 2004 VOL 140 ISS 16
 FILE LAST UPDATED: 13 Apr 2004 (20040413/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s l11
L12      24 L11
```

```
=> file reg
COST IN U.S. DOLLARS
FULL ESTIMATED COST
```

SINCE FILE	TOTAL
ENTRY	SESSION
2.36	470.93

FILE 'REGISTRY' ENTERED AT 20:11:32 ON 14 APR 2004  
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STRUCTURE FILE UPDATES: 13 APR 2004 HIGHEST RN 675103-21-6
 DICTIONARY FILE UPDATES: 13 APR 2004 HIGHEST RN 675103-21-6

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer

to the file summary sheet on the web at:  
<http://www.cas.org/ONLINE/DBSS/registryss.html>

=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004

L1	STRUCTURE UPLOADED
L2	34 S L1
L3	STRUCTURE UPLOADED
L4	30 S L3
L5	1786 S L3 FULL
L6	2027 S L2 FULL
L7	241 S L6 NOT L5
L8	STRUCTURE UPLOADED
L9	33 S L8
L10	1889 S L8 FULL
L11	211 S L10 NOT L5

FILE 'HCAPLUS' ENTERED AT 20:11:06 ON 14 APR 2004

L12 24 S L11

FILE 'REGISTRY' ENTERED AT 20:11:32 ON 14 APR 2004

=> s 14 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 155.00 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y

FULL SEARCH INITIATED 20:11:40 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 62007 TO ITERATE

100.0% PROCESSED 62007 ITERATIONS  
 SEARCH TIME: 00.00.01

1786 ANSWERS

L13 1786 SEA SSS FUL L3

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
155.42	626.35

FULL ESTIMATED COST

FILE 'HCAPLUS' ENTERED AT 20:11:45 ON 14 APR 2004  
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FILE COVERS 1907 - 14 Apr 2004 VOL 140 ISS 16  
 FILE LAST UPDATED: 13 Apr 2004 (20040413/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004

L1                   STRUCTURE UPLOADED  
L2                   34 S L1  
L3                   STRUCTURE UPLOADED  
L4                   30 S L3  
L5                   1786 S L3 FULL  
L6                   2027 S L2 FULL  
L7                   241 S L6 NOT L5  
L8                   STRUCTURE UPLOADED  
L9                   33 S L8  
L10                  1889 S L8 FULL  
L11                  211 S L10 NOT L5

FILE 'HCAPLUS' ENTERED AT 20:11:06 ON 14 APR 2004

L12                  24 S L11

FILE 'REGISTRY' ENTERED AT 20:11:32 ON 14 APR 2004

L13                  1786 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 20:11:45 ON 14 APR 2004

=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004

L1                   STRUCTURE UPLOADED  
L2                   34 S L1  
L3                   STRUCTURE UPLOADED  
L4                   30 S L3  
L5                   1786 S L3 FULL  
L6                   2027 S L2 FULL  
L7                   241 S L6 NOT L5  
L8                   STRUCTURE UPLOADED  
L9                   33 S L8  
L10                  1889 S L8 FULL  
L11                  211 S L10 NOT L5

FILE 'HCAPLUS' ENTERED AT 20:11:06 ON 14 APR 2004

L12                  24 S L11

FILE 'REGISTRY' ENTERED AT 20:11:32 ON 14 APR 2004

L13                  1786 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 20:11:45 ON 14 APR 2004

=> s l12 and beck, j?/au  
          1487 BECK, J?/AU  
L14                  1 L12 AND BECK, J?/AU

=> d l14, ibib abs fhitstr, 1

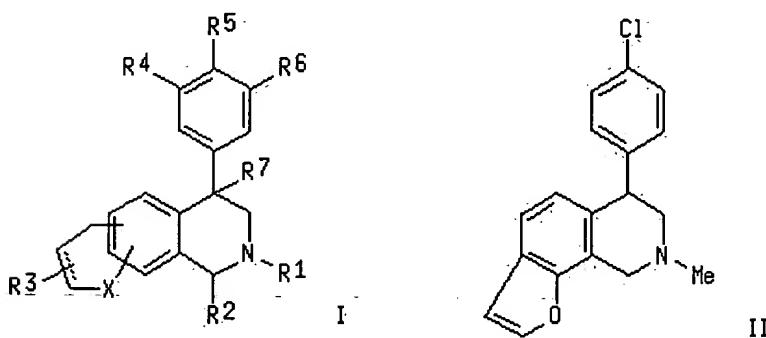
L14 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text	Citing References
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ACCESSION NUMBER: 2002:51467 HCAPLUS  
 DOCUMENT NUMBER: 136:118393  
 TITLE: Preparation and use of furan-fused-4-phenyl substituted tetrahydroisoquinolines for treatment of attention deficit hyperactivity disorder (ADHD)  
 INVENTOR(S): Beck, James P.; Pechulis, Anthony D.; Harms, Arthur E.  
 PATENT ASSIGNEE(S): Dupont Pharmaceuticals Company, USA  
 SOURCE: PCT Int. Appl., 116 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002004455	A2	20020117	WO 2001-US21818	20010711
WO 2002004455	A3	20020620		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 2002091134	A1	20020711	US 2001-902845	20010711
EP 1299393	A2	20030409	EP 2001-952616	20010711
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001012350	A	20030624	BR 2001-12350	20010711
JP 2004502774	T2	20040129	JP 2002-509320	20010711
<u>PRIORITY APPLN. INFO.:</u>			US 2000-217412P	P 20000711
			WO 2001-US21818	W 20010711

OTHER SOURCE(S): MARPAT 136:118393  
 GI



AB Title compds. I [R1 = alk(en/yn)yl, cycloalkyl, 5-cycloalkylalkyl and benzyl, each of which is optionally substituted with 1 to 3 substituents; R2 = H, alk(en/yn)yl, cycloalkyl, cycloalkylalkyl and haloalkyl; R3 = H, halo, alkyl, haloalkyl and cycloalkyl, wherein alkyl, haloalkyl and

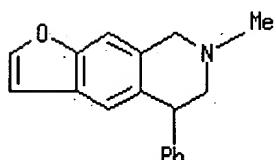
cycloalkyl are optionally substituted with 1 to 3 substituents selected from alkoxy and amino; R4-6 = H, halo, alkoxy, NO<sub>2</sub>, amino, amido, ureido, S(O)<sub>n</sub>, CN, acyl, carboxy, carboxamide, alk(en/yn)yl, cycloalkyl and cycloalkylalkyl; alternatively R5-6 = O-alkyl-O; R7 = H, halo and alkoxy; X = O, NH (and substituted derivs.) and S; n = 0 - 2] with some provisos, were prepd. E.g., 7-formylbenzofuran was converted to the corresponding methylamino-Me deriv. (MeOH, MeNH<sub>2</sub>, NaBH<sub>4</sub>), alkylated with p-chlorophenacyl bromide (CH<sub>2</sub>Cl<sub>2</sub>, Et<sub>3</sub>N) and reduced to the amino alc. (CH<sub>2</sub>Cl<sub>2</sub>, NaBH<sub>4</sub>, 5 h, 0° → room temp.). This intermediate was treated dropwise with MsOH (CH<sub>2</sub>Cl<sub>2</sub>, 0°C → reflux, overnight) to give II as a yellow oil (18% overall yield). Over 150 synthetic examples were provided. Compds. I are selective neurotransmitter receptor binding ligands (no data). I are useful in the treatment of attention-deficit hyperactivity disorder.

IT 389845-75-4P

RL: BYP (Byproduct); PREP (Preparation)  
(byproduct; prepn. and use of furan-fused-4-Ph substituted tetrahydroisoquinolines for treatment of attention deficit hyperactivity disorder (ADHD))

RN 389845-75-4 HCAPLUS

CN Furo[3,2-g]isoquinoline, 5,6,7,8-tetrahydro-7-methyl-5-phenyl- (9CI) (CA INDEX NAME)



=&gt; d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004

L1 STRUCTURE UPLOADED  
 L2 34 S L1  
 L3 STRUCTURE UPLOADED  
 L4 30 S L3  
 L5 1786 S L3 FULL  
 L6 2027 S L2 FULL  
 L7 241 S L6 NOT L5  
 L8 STRUCTURE UPLOADED  
 L9 33 S L8  
 L10 1889 S L8 FULL  
 L11 211 S L10 NOT L5

FILE 'HCAPLUS' ENTERED AT 20:11:06 ON 14 APR 2004

L12 24 S L11

FILE 'REGISTRY' ENTERED AT 20:11:32 ON 14 APR 2004

L13 1786 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 20:11:45 ON 14 APR 2004

L14 1 S L12 AND BECK, J?/AU

=&gt; s 112 not 114

L15 23 L12 NOT L14

=> s l15 and pechulis, a?/au  
 8 PECHULIS, A?/AU  
 L16 0 L15 AND PECHULIS, A?/AU

=> s l15 and harms, a?/au  
 225 HARMS, A?/AU  
 L17 0 L15 AND HARMS, A?/AU

=> file caold			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
	ENTRY	SESSION	
FULL ESTIMATED COST	9.48	635.83	
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
	ENTRY	SESSION	
CA SUBSCRIBER PRICE	-0.69	-0.69	

FILE 'CAOLD' ENTERED AT 20:12:41 ON 14 APR 2004  
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FILE COVERS 1907-1966  
 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d his

(FILE 'HOME' ENTERED AT 20:06:03 ON 14 APR 2004)

FILE 'REGISTRY' ENTERED AT 20:06:13 ON 14 APR 2004  
 L1 STRUCTURE uploaded  
 L2 34 S L1  
 L3 STRUCTURE uploaded  
 L4 30 S L3  
 L5 1786 S L3 FULL  
 L6 2027 S L2 FULL  
 L7 241 S L6 NOT L5  
 L8 STRUCTURE uploaded  
 L9 33 S L8  
 L10 1889 S L8 FULL  
 L11 211 S L10 NOT L5

FILE 'HCAPLUS' ENTERED AT 20:11:06 ON 14 APR 2004  
 L12 24 S L11

FILE 'REGISTRY' ENTERED AT 20:11:32 ON 14 APR 2004  
 L13 1786 S L4 FULL

FILE 'HCAPLUS' ENTERED AT 20:11:45 ON 14 APR 2004

L14 1 S L12 AND BECK, J?/AU  
L15 23 S L12 NOT L14  
L16 0 S L15 AND PECHULIS, A?/AU  
L17 0 S L15 AND HARMS, A?/AU

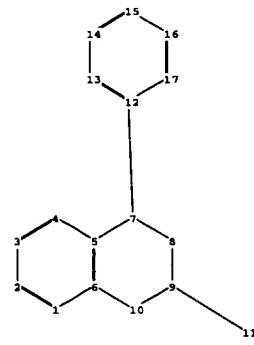
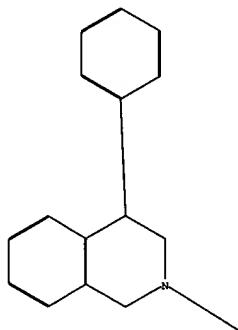
FILE 'CAOLD' ENTERED AT 20:12:41 ON 14 APR 2004

=> s l11  
L18 0 L11

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	636.25
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-0.69

STN INTERNATIONAL LOGOFF AT 20:13:22 ON 14 APR 2004

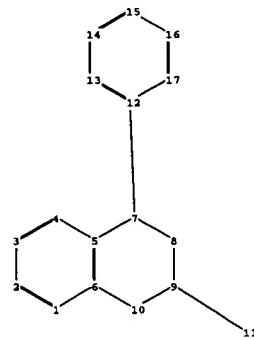
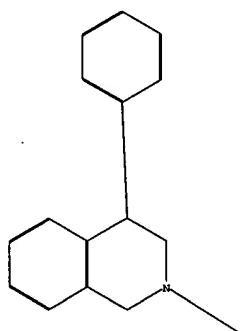


```

ring nodes :
 1 2 3 4 5 6 7 8 9 10 12 13 14 15 16 17
ring/chain nodes :
 11
chain bonds :
 7-12 9-11
ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 12-13 12-17 13-14 14-15 15-16
 16-17
exact/norm bonds :
 5-7 6-10 7-8 8-9 9-10 9-11
exact bonds :
 7-12
normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17
isolated ring systems :
  containing 12 :

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS
 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom

```

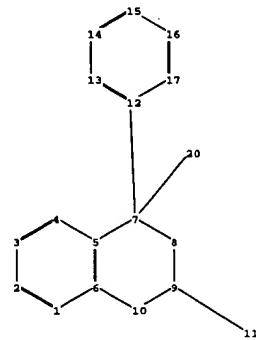
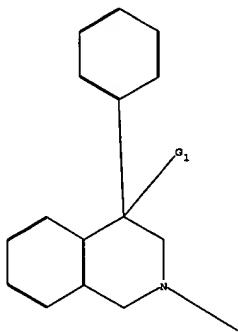


```

ring nodes :
 1 2 3 4 5 6 7 8 9 10 12 13 14 15 16 17
ring/chain nodes :
 11
chain bonds :
 7-12 9-11
ring bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 12-13 12-17 13-14 14-15 15-16
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exact/norm bonds :
 5-7 6-10 7-8 8-9 9-10 9-11
exact bonds :
 7-12
normalized bonds :
 1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17
isolated ring systems :
  containing 1 : 12 :

Match level :
 1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS
 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom

```



chain nodes :

20

ring nodes :

1

2

3

4

5

6

7

8

9

10

12

13

14

15

16

17

ring/chain nodes :

11

chain bonds :

7-12 7-20 9-11

ring bonds :

1-2

1-6

2-3

3-4

4-5

5-6

5-7

6-10

7-8

8-9

9-10

12-13

12-17

13-14

14-15

15-16

16-17

exact/norm bonds :

5-7 6-10 7-8 7-20 8-9 9-10 9-11

exact bonds :

7-12

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 12-13 12-17 13-14 14-15 15-16 16-17

isolated ring systems :

containing 12 :

G1:H,O,S,X

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS  
 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 20:CLASS